

Package ‘annotater’

October 12, 2022

Title Annotate Package Load Calls

Version 0.2.2

Description Provides non-invasive annotation of package load calls such as `library()`, `p_load()`, and `require()` so that we can have an idea of what the packages we are loading are meant for.

License MIT + file LICENSE

Encoding UTF-8

RoxygenNote 7.2.1

Imports stringr, purrr, tibble, dplyr, stringi, readr, rstudioapi, tidy, rlang,

URL <https://github.com/luisDVA/annotater>, <https://annotater.liomys.mx>

BugReports <https://github.com/luisDVA/annotater/issues>

Suggests testthat, knitr, rmarkdown, covr

VignetteBuilder knitr

NeedsCompilation no

Author Luis D. Verde Arregoitia [aut, cre]
(<https://orcid.org/0000-0001-9520-6543>)

Maintainer Luis D. Verde Arregoitia <luis@liomys.mx>

Repository CRAN

Date/Publication 2022-10-07 14:50:06 UTC

R topics documented:

align_annotations	2
annotate_active_file	3
annotate_fun_calls	3
annotate_fun_calls_active_file	4
annotate_pkg_calls	4
annotate_repostitle	5
annotate_repostitle_active	5

annotate_repos_active_file	6
annotate_repo_source	6
annotate_script	7
expand_metapackages	7
expand_metapackages_active_file	8
match_pkg_names	8
pkg_version	9
repo_details	9

Index 10

align_annotations	<i>Vertical alignment of package annotations</i>
-------------------	--

Description

Internal helper function, based on ‘unheadr::regex_valign‘

Usage

```
align_annotations(
  annot_string,
  regex_ai =
    "(?!\\s)(?!\\s)(?!\\s)(?!\\s)(?!\\s)(?!\\s)(?!\\s)(?!\\s)(?!\\s)(?!\\s)",
  sep_str = ""
)
```

Arguments

annot_string	Character vector with annotated package calls.
regex_ai	Custom regular expression to match lines with package annotations.
sep_str	Whitespace separator.

Value

A character vector with vertically aligned package calls.

annotate_active_file *Annotate Active File*

Description

Annotates package load calls in the active .R file

Usage

```
annotate_active_file()
```

Value

No return value, wraps [annotate_pkg_calls()] for access via Addin

annotate_fun_calls *Annotate Function Calls*

Description

Annotate Function Calls

Usage

```
annotate_fun_calls(string_og)
```

Arguments

string_og text string (script) with package load calls

Value

text string with function call annotations. Will make note of packages not currently installed. Lines with existing comments or annotations are ignored by the regular expression that matches package names.

Examples

```
test_string <- c("library(boot)\nrequire(lattice)\ncanonical.theme()")
cat(annotate_fun_calls(test_string))
```

annotate_fun_calls_active_file
Annotate Function Calls in Active File

Description

Annotates package load calls with the used functions of each package in the active .R file

Usage

```
annotate_fun_calls_active_file()
```

Value

No return value, wraps [annotate_fun_calls()] for access via Addin

annotate_pkg_calls *Annotate Package Calls*

Description

Annotate Package Calls

Usage

```
annotate_pkg_calls(string_og, pkg_field = "Title")
```

Arguments

string_og	Text string (script) with package load calls.
pkg_field	Field from package description to retrieve, defaults to "Title"

Value

Text string with package Title annotations. Will make note of packages not currently installed. #'

Examples

```
test_string <- c("library(boot)\nrequire(tools)")
annotate_pkg_calls(test_string)
```

annotate_repostitle *Annotate Package Titles and Repository Sources*

Description

Annotate Package Titles and Repository Sources

Usage

```
annotate_repostitle(string Og)
```

Arguments

string Og Text string (script) with package load calls.

Details

Some annotations may be long, check for possible line breaks introduced into your script.

Value

Text string with package titles and package repository source annotations. Will make note of packages not currently installed. Lines with existing comments or annotations are ignored by the regular expression that matches package names. Also ignores base packages.

Examples

```
test_string <- c("library(boot)\nrequire(lattice)")
annotate_repostitle(test_string)
```

annotate_repostitle_active

Annotate Titles and Repositories in Active File

Description

Annotates package load calls with package titles and repository details in the active .R file

Usage

```
annotate_repostitle_active()
```

Value

No return value, wraps [annotate_repostitle()] for access via Addin

annotate_repos_active_file

Annotate Repositories in Active File

Description

Annotates package load calls with repository details in the active .R file

Usage

```
annotate_repos_active_file()
```

Value

No return value, wraps [annotate_repo_source()] for access via Addin

annotate_repo_source *Annotate Repository Sources*

Description

Annotate Repository Sources

Usage

```
annotate_repo_source(string_og)
```

Arguments

string_og text string (script) with package load calls

Value

text string with package repository source annotations. Will make note of packages not currently installed. Lines with existing comments or annotations are ignored by the regular expression that matches package names. Also ignores base packages.

Examples

```
test_string <- c("library(boot)\nrequire(lattice)")
annotate_repo_source(test_string)
```

annotate_script	<i>Annotate Script</i>
-----------------	------------------------

Description

Annotate Script

Usage

```
annotate_script(script_file, pkg_field = "Title")
```

Arguments

script_file	Path to an R script.
pkg_field	Field from package description to retrieve, defaults to "Title".

Value

Prints the annotated script to the console.

expand_metapackages	<i>Expand metapackages</i>
---------------------	----------------------------

Description

Expand metapackages

Usage

```
expand_metapackages(string_og)
```

Arguments

string_og	text string (script) with package load calls
-----------	--

Value

Text string with metapackage load calls replaced by multiple separate calls to the core packages that make up the metapackage. Core packages will be fenced in four commenting symbols and the order follows the attachment order from each metapackage. Will make note of metapackages not currently installed.

Examples

```
test_string <- c("library()\nlibrary(tidyverse)")
```

expand_metapackages_active_file

Expand metapackages in Active File

Description

Replaces metapackage load calls in the active .R file with multiple separate calls to its core packages.

Usage

```
expand_metapackages_active_file()
```

Value

No return value, wraps [expand_metapackages()] for access via Addin

match_pkg_names

Match Package Names

Description

Match Package Names

Usage

```
match_pkg_names(string_og)
```

Arguments

string_og Text string (script) with package load calls.

Value

A tibble with the package load calls and package names.

Examples

```
test_string <- c("library(boot)\nrequire(Matrix)")
match_pkg_names(test_string)
```

pkg_version	<i>Retrieve Package Version</i>
-------------	---------------------------------

Description

Internal helper function.

Usage

```
pkg_version(pkgs_col)
```

Arguments

pkgs_col Package name.

Value

A character vector with the package version.

repo_details	<i>Retrieve Repo Details</i>
--------------	------------------------------

Description

Internal helper function.

Usage

```
repo_details(pkgs_col)
```

Arguments

pkgs_col Name of variable with the non-CRAN repos.

Value

A character vector of user names and repository names.

Index

`align_annotations`, 2
`annotate_active_file`, 3
`annotate_fun_calls`, 3
`annotate_fun_calls_active_file`, 4
`annotate_pkg_calls`, 4
`annotate_repo_source`, 6
`annotate_repos_active_file`, 6
`annotate_repostitle`, 5
`annotate_repostitle_active`, 5
`annotate_script`, 7

`expand_metapackages`, 7
`expand_metapackages_active_file`, 8

`match_pkg_names`, 8

`pkg_version`, 9

`repo_details`, 9